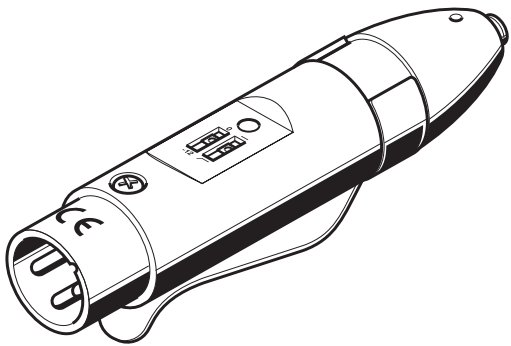
SENNHEISER

MZA 900 P

Bedienungsanleitung
Instructions for use
Notice d'emploi
Istruzioni per l'uso
Instrucciones para el uso
Gebruiksaanwijzing



MZA 900 P

The MZA 900 P phantom power adaptor is used to connect pre-polarized condenser microphones with a 3.5 mm jack plug or a 3-pin special socket to microphone inputs with 10 – 52 V phantom powering (P12 – P48). The connected microphone is supplied via the adaptor.

The possible combinations between the MZA 900 and Sennheiser microphones are as follows:

MZA 900 P

e908 B e908 D	HSP 2 ew HSP 4 ew	ME 2 ME 3 ME 4	MKE 2 ew gold MKE 40 ew

MZA 900 P -4

HSP 2 HSP 4 HS 2	ME 102[1] ME 104[2] ME 105[2]	MKE 2-4 MKE Platinum-4-C

[1] in conjunction with KA 100 S-4

[2] in conjunction with KA 100-4

The adaptor is also a quick and flexible solution if a microphone is to be used for both wired and wireless applications. One and the same microphone can be used together with the MZA 900 P(-4) for wired applications (e.g. in the studio) or with a bodypack transmitter (e.g. on stage).

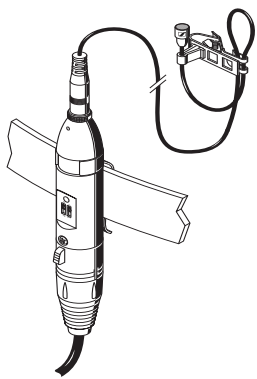
The MZA 900 P can also be used as a cable tester for XLR microphone cables (see page 5).

Delivery includes

- MZA 900 P with belt clip
- Instructions for use
- Warranty certificate

Connecting the microphone

Connect the jack plug of the microphone to the socket of the MZA 900 P. Lock the jack plug by screwing down the coupling ring. This prevents accidental loosening of the connection and annoying noise when the cable is moved.



Output

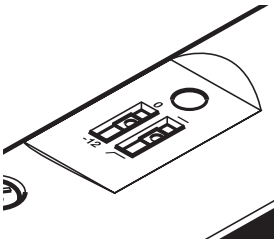
The XLR output of the MZA 900 P together with the back-electret condenser microphone delivers the correct signal phase (an increase in sound pressure in front of the microphone diaphragm causes a positive voltage to appear at pin 2 and a negativ voltage to appear at pin 3). The output is electronically balanced and floating.

Use a balanced XLR cable to connect the XLR output to the phantom powered microphone input of the subsequent device. If necessary, you can do without the cable and connect the MZA 900 P directly to the XLR input socket of the device.

Attaching the MZA 900 P to clothing

Using the belt clip, you can unobtrusively attach the MZA 900 P to clothing (e.g. belt, waistband).

Switchable pre-attenuation



The gain can be reduced by 12 dB. This is recommended when the subsequent microphone input is overmodulated or when the MZA 900 P's output is strongly biassed by the subsequent device, e.g. due to high sound pressure levels from drums, brass instruments, etc.

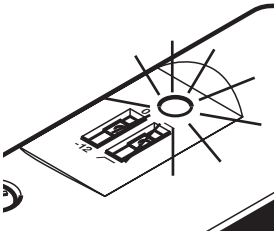
Please note that when operating the MZA 900 P on 12V phantom powering, its output is considerably biassed by the power supply. If this is the case, and when high sound pressure levels occur, the pre-attenuation should also be switched on.

Switchable roll-off filter

The roll-off filter allows the MZA 900 P to be adapted to Sennheiser HSP and clip-on microphones. With the roll-off filter switched on (⏥), the low-frequency signal portions (below 125 Hz) are attenuated, thus increasing speech intelligibility. In addition, pop and wind noise is effectively suppressed.

Operation and over-modulation indication

The MZA 900 P features a two-colour LED.



LED lights up in green:

The MZA 900 P is properly powered and there is no over-modulation (normal operation).

LED lights up in red:

A flashing red LED at high sound pressure levels indicates over-modulation of the microphone or overloading of the MZA 900 P's output.

A constant red LED indicates a defective cable.

Using the MZA 900 P as a cable tester

The MZA 900 P can also be used as a cable tester for XLR microphone cables. For this, there is no need to connect a microphone.

Connect one end of the cable to be tested to a mixing console with activated phantom powering. Connect the other end of the cable to the MZA 900 P.

LED lights up in green:

- The cable is OK

LED lights up in red. Possible errors:

- One signal wire is broken
- One signal wire is short-circuited to the shielding

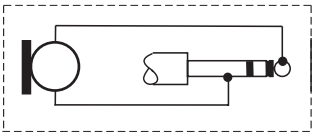
LED does not light up. Possible errors:

- Both signal wires are broken
- The shielding is interrupted
- Both signal wires are short-circuited to the shielding

Pin assignment

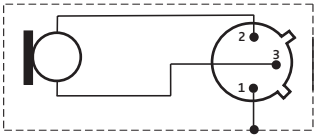
Mikrofon

3,5 mm



Mikrofon

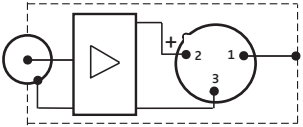
3-pin
special socket



front view

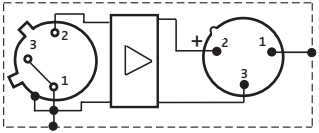
MZA 900 P

3,5 mm XLR- 3 M



MZA 900 P-4

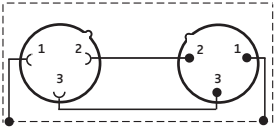
XLR- 3 M



rear view rear view

Kabel

XLR-3 F XLR-3 M



symmetrisch

Specifications

Frequency response	20–20,000 Hz (–1 dB)
Pre-attenuation, switchable	0/–12 dB
Roll-off filter, switchable	125 Hz (–3 dB), 12 dB/oct
Max. output voltage at	
• 0 dB pre-attenuation	1.8 V (P48) 0.6 V (P12)
• –12 dB pre-attenuation	0.45 V (P12 – P48)
Noise voltage at the output	CCIR: 12 µV (0/–12 dB) A: 3 µV (0/–12 dB)
Output impedance	100 Ω
Min. load impedance at	
• 0 dB pre-attenuation	5 kΩ (P12 – P48)
• –12 dB pre-attenuation	2 kΩ (P12 – P48)
Power supply	P12 – P48 10 – 52 V 2.6 – 2.8 mA
Connector	XLR-3 M
Input socket	
MZA 900 P	3.5 mm jack socket, lockable
MZA 900 P-4	3-pin special socket
Dimensions	Ø 19/22 mm, L 100 mm
Weight	60 g
Operating temperature range	–20 to +60°C
Humidity range	< 95 % r. h.

Manufacturer declarations

Warranty

2 years

Approval

Sennheiser electronic GmbH & Co. KG declare that this device is in compliance with the applicable CE standards and regulations.

WEEE Declaration

Please dispose of this product at the end of its operational lifetime by bringing it to your local collection point or recycling centre for such equipment.

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